

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1099-DIV-02

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT
(the several sheets if necessary)APPLICANT
Hideo Matsuoaka et al.FILING DATE
HerewithGROUP
1712

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SW</i>	AA	5,227,427	07/13/93	Hoguen Serfcoms et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>SW</i>	AL	JP 02-178339	07/11/90	Japan			Abstract only	
<i>SW</i>	AM	JP 02-222452	09/05/90	Japan			Abstract only	
<i>SW</i>	AN	JP 05-193061	08/03/93	Japan			Abstract only	
<i>SW</i>	AO	JP 05-339502	12/21/93	Japan			Abstract only	
<i>SW</i>	AP	JP 06-190980	07/12/94	Japan			Abstract only	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1099-DIV-02SERIAL NO.
10715,286

APPLICANT: Hideo Matsuo et al.

FILING DATE 11/17/2003

GROUP 1711

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>gfw</i>	AK	7,227,947	07/13/1993	Saitawa et al.			06/29/1992
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>gfw</i>	AL	EP 0 892 017 A2 & A3	1999-01-20				Yes	
<i>gfw</i>	AM	EP 0 890 616 A	1999-01-13				Yes	
<i>gfw</i>	AN	EP 0 473 038 A	1992-03-04				Yes	
<i>gfw</i>	AO	JP 02 178339 A	1990-07-11				Abstract	
<i>gfw</i>	AP	JP 06 190980 A	1994-07-12					No

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>gfw</i>	AR	Supplementary European Search Report, dated May 4, 2004, 2 pages
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